BRUHAT BENGALURU MAHANAGARA PALIKE

Name of work : Construction of Compound wall at adjoingto ward office in Ward No.18 to AIR Quarters Compound wall at

Estimated Cost Rs: 200000.00

Sl No	Description of work	No	Dimensions			Qty	Rate	Unit	Amount
			L	B	D				
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)
1	Dismantling cement concrete flooring or plain cement concrete work including removing and conveying the debris to distance upto 200m (within average thickness of 15 cms) (P-2701 It No.37.51)								
		1	15.00	0.45		6.75			
		1	5.50	0.45		2.48			
					Total	9.23	135.46	Cum	1249.62
	Basic Rate	40.00							
	Loading & unloading	87.80							
	Total	127.80							
	Area weightage @ 6%	7.67							
	Total	135.47							
2	Dismantling size stone masonry in clay mortar and stacking the size stone within a radius of 50m and removing the debris to a distance up to 200m (P 270 It No.37.48)								
		1	15.00	0.45	0.80	5.40			
		1	4.50	0.45	0.80	1.62			
		3	0.60	0.60	2.00	2.16			
					Total	9.18	226.63	Cum	2080.46
	Basic Rate	126.00							
	Loading & unloading	87.80							
	Total	213.80							
	Area weightage @ 6%	12.83							
	Total	226.63							
3	Earthwork in excavation of foundatiion of structures as per drawing and technical specification including setting out, construction of shorting and bracing, removal of stumps and other deleterious matter, dressing of sides and bottom, back filling the excavation earth to the extent required and utilized the remaining earth locally for road work complete as per specification (i) Ordinary soil - A. Manual Means (i) Depth upto 3m. MORTH specification No.304 (P-151 It No.19.22)								
		1	18.70	0.90	0.75	12.62			
		1	12.10	0.90	1.00	10.89			
		2	0.90	0.90	1.00	1.62			
					Total	25.13	297.65	Cum	7480.69
	Basic Rate	193.00							
	Loading & unloading	87.80							
	Total	280.80							
	Area weightage @ 6%	16.85							
	Total	297.65							

Providing and laying in position plain cement concrete of mix M 7.5 with OPC cement @ 180 kgs with 40 mm and down size graded granite metal coarse aggregates @ 0.85 cum and fine aggregates @ 0.57 cum machine mixed, concrete laid in layers not exceeding 15 cms, thick well compacted in foundation and plinth, including cost of all materials, labour, HOM of machinary, curing complete as per specification (P 12 It No. 4.3)								
	1	18.70	0.90	0.15	2.52			
	1	12.10	0.90	0.15	1.63			
	2	0.90	0.90	0.15	0.24			
				Total	**4.40**	4211.38	Cum	18534.28
Basic Rate	3973.00							
Total	**3973.00**							
Area weightage @ 6%	238.38							
Total	**4211.38**							
Providing and constructing granite/trap/basalt size stone masonry in foundation with cement mortar 1:6 stone hammered dressed in courses not less than 20 cms high, band stones at two m. apart in each course including cost of materials, labour, curing complete as per specification KBS 5.1 (P-25 It No.5.6)								
	1	18.70	0.75	0.45	6.31			
	1	12.10	0.75	0.45	4.08			
	2	0.90	0.80	0.45	0.65			
				Total	**11.04**	3484.22	Cum	38476.24
Basic Rate	3287.00							
Total	**3287.00**							
Area weightage @ 6%	197.22							
Total	**3484.22**							
Providing and constructing granite/trap/basalt size stone masonry in basement with cement mortar 1:6, edges of stones chistle dressed in courses not less than 15 cms high, band stones at two m. apart in each course including cost of materials, labour, curing complete as per specification (P-26 It No.5.9)								
	1	18.70	0.60	0.45	5.05			
	1	12.10	0.60	0.45	3.27			
	2	0.90	0.75	0.45	0.61			
					8.92			
				(-)	5.51			
				Total	**3.41**	4148.84	Cum	14162.07
Basic Rate	3914.00							
Total	**3914.00**							
Area weightage @ 6%	234.84							
Total	**4148.84**							
Providing and constructing granite/trap/basalt size stone masonry in basement with cement mortar 1:6, edges of stones chistle dressed in courses not less than 15 cms high, band stones at two m. apart in each course including cost of materials, labour, curing complete as per specification (P-26 It No.5.9) (with available stones)								
as per qty no.2	9.18	x60%			5.51			
				Total	**5.51**	3035.84	Cum	16727.48
Basic Rate	3914.00							
(-)	1050.00							

Total	**2864.00**							
Area weightage @ 6%	171.84							
Total	**3035.84**							
KSRB 5.4-4: Providing and constructing granite/trap/basalt size stone masonry in superstructure with cement mortar 1:4, edges of stones chistle dressed in courses not less than 15 cms high, band stones at two m. apart in each course including cost of materials, labour, scaffolding, curing complete as per specification KBS 5.1.13 (P-26 It No.5.13)								
	1	2.50	0.45	1.00	1.13			
	1	12.10	0.60	1.00	7.26			
	3	2.60	0.45	1.00	3.51			
	1	2.55	0.45	1.00	1.15			
	1	3.15	0.45	1.00	1.42			
				Total	**14.46**	**4657.64**	Cum	67349.47
Basic Rate	4394.00							
Total	**4394.00**							
Area weightage @ 6%	263.64							
Total	**4657.64**							
Providing and laying in position plain cement concrete of mix M 15 with OPC cement @ 240 kgs with 20 mm and down size graded granite metal coarse aggregates @ 0.878 cum and fine aggregates @ 0.459 cum machine mixed, concrete laid in layers not exceeding 15 cms thick well compacted in foundation and plinth & cills, including cost of all materials, labour, HOM of machinary, curing complete as per specification (P-12, It No.4.6)								
	1	2.50	0.45	0.10	0.11			
	1	12.10	0.45	0.10	0.54			
	3	2.60	0.45	0.10	0.35			
	1	2.55	0.45	0.10	0.11			
	1	3.15	0.45	0.10	0.14			
	2	0.55	0.55	0.10	0.06			
	3	0.50	0.60	0.10	0.09			
	3	0.60	0.60	0.10	0.11			
	3	0.75	0.75	0.10	0.17			
				Total	**1.69**	**4690.50**	Cum	7935.15
Basic Rate	4425.00							
Total	**4425.00**							
Area weightage @ 6%	265.50							
Total	**4690.50**							
Providing ruled pointing to coursed stone masonry with cement mortar 1:3 20 mm deep, after raking joints to depth of 20 mm nicely lining, including cost of materials, labour, curing complete as per specifications (P-120, It No.15.3)								
	2	19.50		1.00	39.00			
	2	12.10		1.00	24.20			
	3	2.50		2.20	16.50			
				Total	**79.70**	**78.44**	Cum	6251.67
Basic Rate	74.00							
Total	**74.00**							
Area weightage @ 6%	4.44							
Total	**78.44**							

SRB 2-1.1: Earthwork in surface excavation in ordinary soil for leveling and covering the ground manually (other than foundation of buildings, culverts, roads drains and trenches of pipeline and cables) and removing the excavated stuff to a distance not exceeding 50m and lift up lift 1.5, excavated surface leveled and neatly dressed disposed earth to be leveled after breaking of clods and neatly disposed as per specifications. No. KBS 2.1 (a)/2.3.1.(P-51 No.2.1)								
	1	90.00	0.75	0.65	43.88			
	1	95.00	0.75	0.65	46.31			
				Total	90.19	217.09	Cum	19578.80
Basic Rate	117.00							
Loading & unloading	87.80							
Total	204.80							
Extra weightage @ 6%	12.29							
Total	217.09							
Miscellaneous & Rounding off:							L/S	174.06
					Total Rs:			200000.00

Executive Engineer,
Hebbal Division,
Bruhat Bangalore Mahanagara Palike

CERTIFICATE:

The work spot has been inspected and found to be necessary
The work spot comes under BBMP Limits
The provisions made in the estimate are necessary and minimum
The estimate is based on CSR of 2012-13

Assistant Engineer
Ward No.18

Assistant Executive Engineer
Hebbala Sub Division
Bruhat Bengaluru Mahanagara Palike

Executive Engineer
Hebbal Division
Bruhat Bengaluru Mahanagara Palike

ADMINISTRATIVELY SANCTIONED FOR
Rs. Two lakhs Only
Under P-1771 Emergency measure fund
PoW-2012-13
Registered as EE(H) vide No. 180
Subject to Conditions in Enclosed
Memo No. AS/180/13-14 Dt. 21/11/2013.

AE / AE
Exe. Engineer (H)

TECHNICALLY SANCTIONED FOR
Rs. Two lakhs Only
P-1771 Emergency measure fund
Under PoW-2012-13
Registered as EE(H) vide No. 211
Subject to conditions in enclosed memo
No TS/211/13-14 Dt. 22/11/2013

AE/AE
E.E(H.)

Sketch for Construction of Compound wall adjoining to ward office cum ward no 18 nts.

N

220

SSM for superstructure of pillars.

065

SSM for basement cm CM 1:6

065

SSM for foundation cm CM 1:6

015

CC 1:4:8

Cross section on B1,

Proposed Compound wall

Proposed pillars.

Existing All India Radio Quarters.

B1

B

S.W.D Road

315 060 105 060

060

260

1870M

A

260

260

250

Existing Compound wall

Proposed wall

CC 1:2:4

SSM for superstructure cm CM 1:6

1000

SSM for basement cm CM 1:6

060

SSM for foundation cm CM 1:6

075

CC 1:4:8

090

Cross section on A A1